

Abstract of the Disclosure

**CUTTING TOOL FOR SIMULTANEOUS
FACING AND GROOVING OF CMP PAD**

5 A cutting tool for simultaneously carrying out a facing operation and a grooving operation on a target surface has a facing part and a grooving part that protrudes from and may be integrally formed with the facing part. The facing part has a facing surface for carrying out the facing operation and the grooving part has a grooving surface and is for cutting a groove of a specified depth and width on the target surface simultaneously as
10 the cutting tool is moved in a specified forward direction parallel to the target surface. The dimensions of the facing and grooving parts, the roughness of their surfaces, the angles of their cutting edges and the sloping angles of the facing and grooving surfaces with respect to the forward direction are each required to be within a specified range. Where the grooving part protrudes from the facing part, the corners at which the facing
15 surface joins the side surfaces of the grooving part are formed such that each corner has a beveled surface portion.